

Notice of Allowability

Application No.

10/684,645

Examiner

Chuc D. Tran

Applicant(s)

TRANKINA, JOHN

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to March 13, 2006.
2. ☒ The allowed claim(s) is/are 13-22 and 29-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☒ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

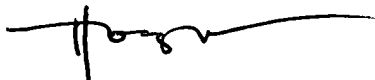
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 08/05/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



HOANG V. NGUYEN
PRIMARY EXAMINER

DETAILED ACTION

Allowable Subject Matter

1. Claims 13-22 and 29-33 are allowed.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

Prior art fails or fairly suggest: (a) an antenna tower reinforcement comprising a light-weight shell having a cross-sectional shape similar to the antenna tower and a diameter greater than the tower, and a plurality of spacers attached to the tower, wherein at least one stiffening members distributed between the shell and antenna tower and attached to at least two of the plurality of spacers in combination with the remaining claimed limitations as claimed in independent claim 13 (claims 14-22 are allowed since they are dependent on claim 13); (b) an antenna tower reinforcement comprising at least one stiffening members attached to the antenna tower, wherein the at least one stiffening member comprises first, second and third plate sections, the first and second plate sections being generally parallel, and each of the first and second plate sections being joined to the third plate section so as to form the at least one stiffening member with a generally Z shaped cross-section such that the stiffening member reinforces the tower, in combination with the remaining claimed limitations as claimed in independent claim 29 (claims 30-31 are allowed since they are dependent on claim 29); (c) an antenna tower reinforcement comprising a shell having a cross-sectional shape similar to the antenna tower and having a large cross-section than the tower at any height of the shell, at least one stiffening members attached to the antenna tower, wherein the at least one stiffening member comprises first, second and third plate sections, the first and second plate sections being

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generally parallel, and each of the first and second plate sections being joined to the third plate section so as to form the at least one stiffening member with a generally Z shaped cross-section and the shell such that the stiffening member reinforces the tower, in combination with the remaining claimed limitations as claimed in independent claim 32 (claims 33 is allowed since it is dependent on claim 32).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Drawings

3. The drawings were received on August 05, 2004. These drawings are accepted.

Citation of relevant prior art

Prior art Hulse (USP. 5,375,353) disclose communication tower.

Prior art Svensson (USP. 3,987,593) disclose post.

Prior art C. S. Reed et al (USP. 3,013,584) disclose supporting member.

Prior art Cazaly (USP. 4,751,804) disclose utility pole.

Prior art Deroest (US 20050129504) disclose wind turbine.

Inquiry

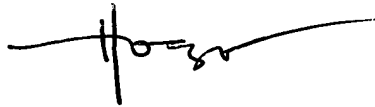
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D. Tran whose telephone number is (571) 272-1829. The examiner can normally be reached on M-F Flex hours.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on (571) 272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TC
July 07, 2006



HOANG V. NGUYEN
PRIMARY EXAMINER